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ESE ACTIVITIES

• Code-reading and Functionaltesting Comparison

- Java event-driven code
- C++ Frameworks for the Air-space domain
- Inspection of UML HL Docs.
 - Checklist Based Reading vs. Use-case Based Reading



- **ü** Experiment Definition
- **ü** Experiment Planning
- **ü** Operation
- **ü** Statistical analysis approach
- **ü** Summary and conclusions





The Basic Experiment: Subjects performance

t-test to compare means :

P-value = 0.539 With 95.0% confidence level Mann-Whitney test :

P-value = 0.555 With 95.0% confidence level





Subjects Figure 2 Percentage of correct detection for each subject

Replication #1 Subjects performance

t-test to compare means :

P-value = 0.795 With 95.0% confidence level Mann-Whitney test :

P-value = 0.999 With 95.0% confidence level



Figure 1 Box-and – Whisker plot







October 21-23, 2002



Introduction by Giovanni Cantone

DISP

ANNOUNCED PARTICIPANTS

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overgata

URM2, Italy **IESE, Germany** SchlumbergerSema, Italy **UNA1**, Italy **URM2**, Italy **URM2**, Italy **PCM**, Italy SchlumbergerSema, Italy **Finsiel**, Italy **ODU**, Nederland **ODU**, Nederland **Geotronics**, Italy **URM2**, Italy **URM2**, Italy **Intecs**, Italy **Geotronics**, Italy **UCL**, Spain UCL, Spain



OTHER POSSIBLE PARTICIPANTS

Giuseppe CALAVARO Salvatore NAPOLITANO Alberto PETTOROSSI Rational Software, Italy T- Systems, DTG, Italy URM2, Italy



ESRM GOALS

1. To define the state of the art of SRM, and evaluate which kind of empirical approach (Surveys, Case-studies, Experiments) can and should be followed.



2. To establish a connection with empirical research in other areas, mainly ESE, and their organizations (ISERN, IEEE ISESE, EC Projects).

3.1 To call for collaboration to ESE IW

3.2 To reason on possible establishment of IEEE ESEM IW starting from 2003



ESRM GOALS %

3. To establish a link among EC industrial and academic researchers









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To establish a link among EC industrial and academic researchers.

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Discussion to be started during previous session (Call for Participation), hence, continued informally at lunch or dinner (*), formally tomorrow after lunch, and/or Wednesday morning, depending on availability of industrial participants.



Esrm IM October 21-23, 2002



